

ABSTRACT OF THE DISCLOSURE

The amount of pancreatic β -cells and/or the function of pancreatic β -cells can be conveniently and accurately analyzed in real time by a method which comprises analyzing the amount of pancreatic β -cells and/or the function of pancreatic β -cells by using a biological sample having a recombinant expression vector, wherein a reporter gene is bonded under the control by a pancreatic β -cell-specific gene promoter region, transferred thereinto.